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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: LAYZELL, D.B., et al.
Serial Number: 10/040,469
Filing Date: January 9, 2002
Title: Methods for Enhancing Plant Growth Using Hydrogen Gas
Art Unit: 3643
Examiner: Gellner, J.L.
Agent Ref. No. 1998-016-08US

Assistant Commissioner for Patents
Washington, D.C. 20231

Dear Sir,

AMENDMENT and RESPONSE TO OFFICE ACTION

This amendment has been prepared under the newly revised format set forth by the U.S.P.T.O. in the Office of Patent Legal Administration Pre-OG Notice of January 31, 2003. It is Applicants' understanding that by following the provisions of the new format, the provisions under 37 C.F.R. § 1.121(a), (b), (c) and (d) are waived for amendments to the claims, specification and drawings.

This is in response to the Office Action dated January 22, 2003. A Petition for Extension of Time of one month, with fee authorization, is being filed simultaneously herewith. Applicants wish to amend the application as follows:

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IN THE DISCLOSURE:

Please amend the table at page 11, lines 11 to 17, as follows:

Table 1. Dry weight comparisons of barley (per plant).

Soil		Shoot			Root		
Treatment		Mean \pm SE (gDW)	p value of t-test	Growth Enhance	Mean \pm SE (gDW)	p value of t-test	Growth Enhance
Lawn	Air	0.98 \pm 0.02	* 0.000066		0.68 \pm 0.03		
	H ₂	1.56 \pm 0.02		58.98%	0.91 \pm 0.06	**0.04996	33.99%
Field	Air	1.07 \pm 0.05	* 0.01533		0.88 \pm 0.02		
	H ₂	1.47 \pm 0.07		36.65%	0.95 \pm 0.08	0.4925	7.71%
Garden	Air	1.55 \pm 0.02	* 0.000341		1.55 \pm 0.03		
	H ₂	2.02 \pm 0.03	* 0.000341	29.83%	1.60 \pm 0.03	0.3085	3.23%

* Significant different at 99%. ** Significant different at 95%.

IN THE DRAWINGS:

Please replace Figures 1 and 2 currently on file with the amended Figures 1 and 2 submitted herewith.